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Data management system in semiconductor component manufacturing process controlling network - includes data structure conversion module that uses data structure conversion dictionary for converting receiving data structure into standard data structure during communication

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The system includes a communication protocol module (P) which generates process information data depending upon communication protocol, while performing communication of data containing process information from an input-output interface connected to several process controllers through a communication wire.

The data structure conversion module (J1) performs conversion of received data structure into standard data structure using data structure conversion dictionary (J4). Process controller (C1,C2) of transmission destination, convert process information of standard data structure into process information of predefined data structure while performing communication.

USE - In semiconductor production line.

ADVANTAGE - Facilitates to perform data conversion within short time. Reduces production cost of data structure conversion dictionary. Avoids need for software exclusive use thereby reduces development cost. Facilitates data communication between various apparatus and computer by using contents of dictionary. (40pp Dwg.No.1/25)

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